

FIG. 1 is a block diagram of a network system 10, showing a prior art network 18 and a proposed network 20. The prior art network 18 includes an Internet 18, a LAN 25, and a Business Premise 24. The proposed network 20 includes a PSTN 40, a SCP 46, and a C.O. Switch 48. The proposed network 20 is shown as a dashed line, indicating it is a proposed or alternative configuration.

10

18

INTERNET

PRIOR
ART

25

LAN

COMPUTER

26

28

24

OFFICE 1

BUSINESS
PREMISE

COMPUTER

26'

28'

24'

OFFICE N

...

SCP

46

42

C.O. SWITCH

STP

48

52

54

50

VMS

44

C.O. SWITCH

STP

60

PSTN

40

43

45

COMPUTER

33'

34'

32'

COMPUTER

33

34

32

Fig. 1

200 PRIOR ART

202	204	206	208	209	210	212	214	216	218
MD	7-DIGITS MESSAGE LINE IDENTIFIER	1 CHARACTER TYPE OF CALL INDICATOR	10-DIGITS FORWARDING DN	SPACE	10-DIGITS CALLING DN	SPACE	1 CHARACTER CALLING DN PRESENTATION STATUS	SPACE	1-15 CHARACTERS CALLING NAME/ PRESENTATION STATUS

Fig. 2

300

302	304	306
OP/RMV:MWI ACTIVATION REQUEST IDENTIFIER	SPACE	10-DIGITS SUBSCRIBER DN

PRIOR ART

Fig. 3

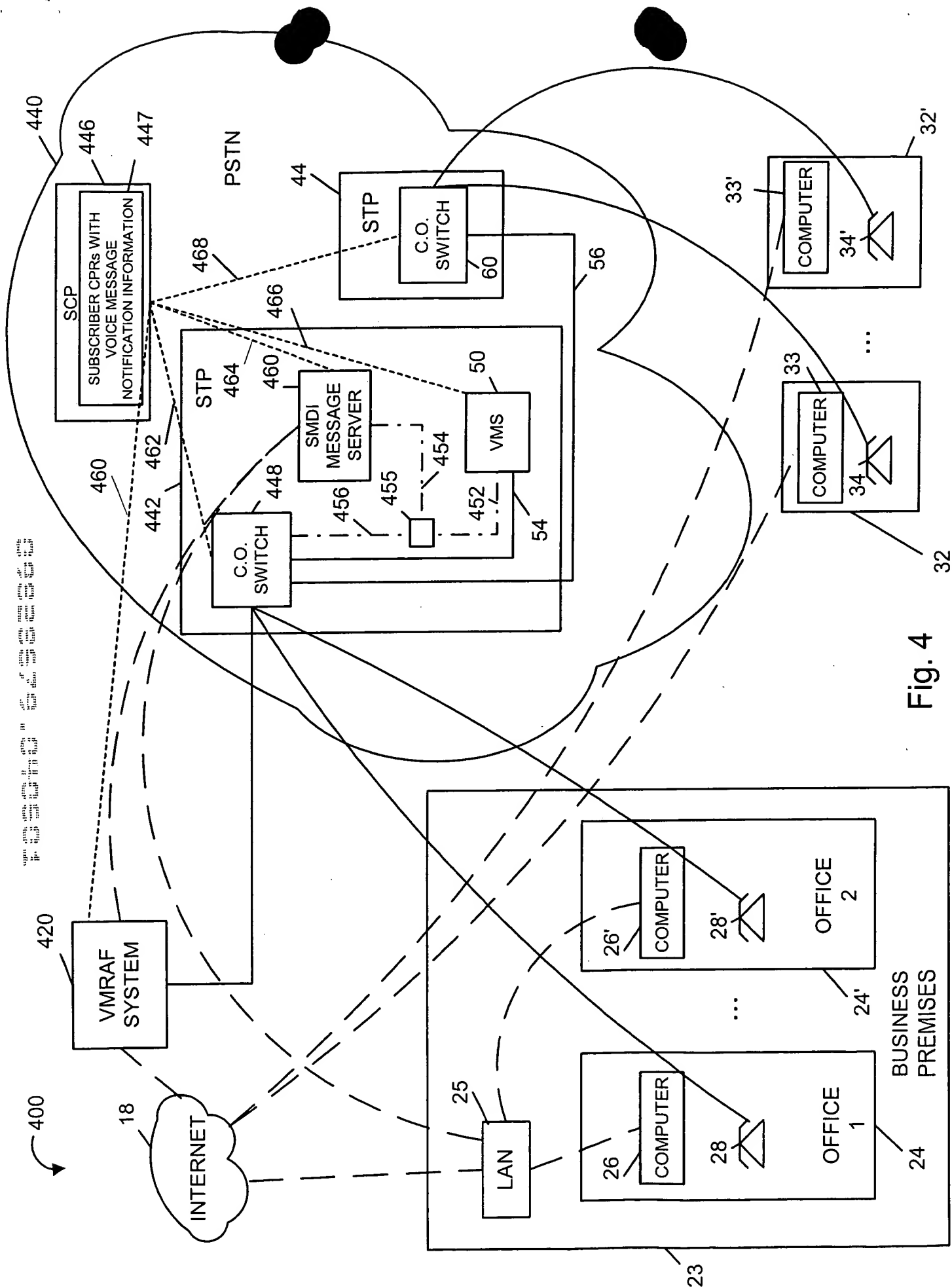


Fig. 4

FIG. 5 is a block diagram of a system for processing call records. The system includes a database 447 and a processor 448. The database 447 stores call records 449. The processor 448 is configured to process the call records 449. The call records 449 include information such as the customer identifier, the subscriber identifier, the service identifier, the system identifier, and the message notification information.

447

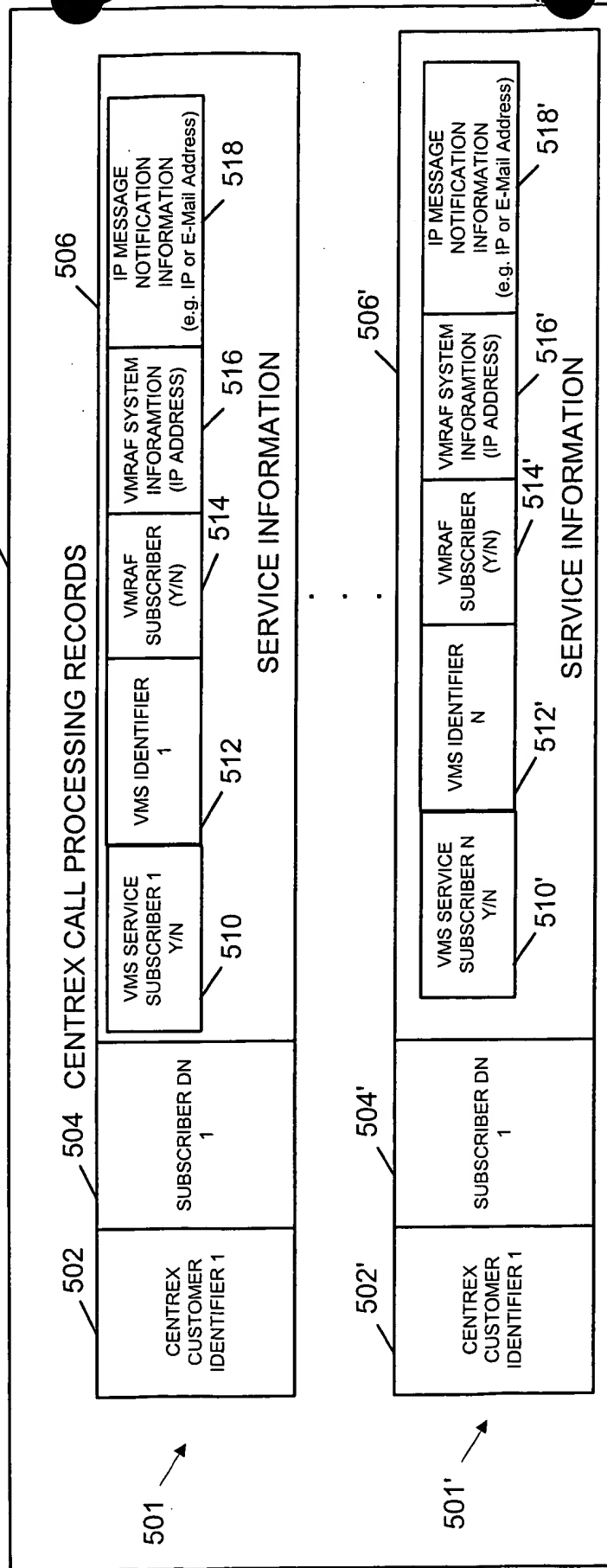


Fig. 5

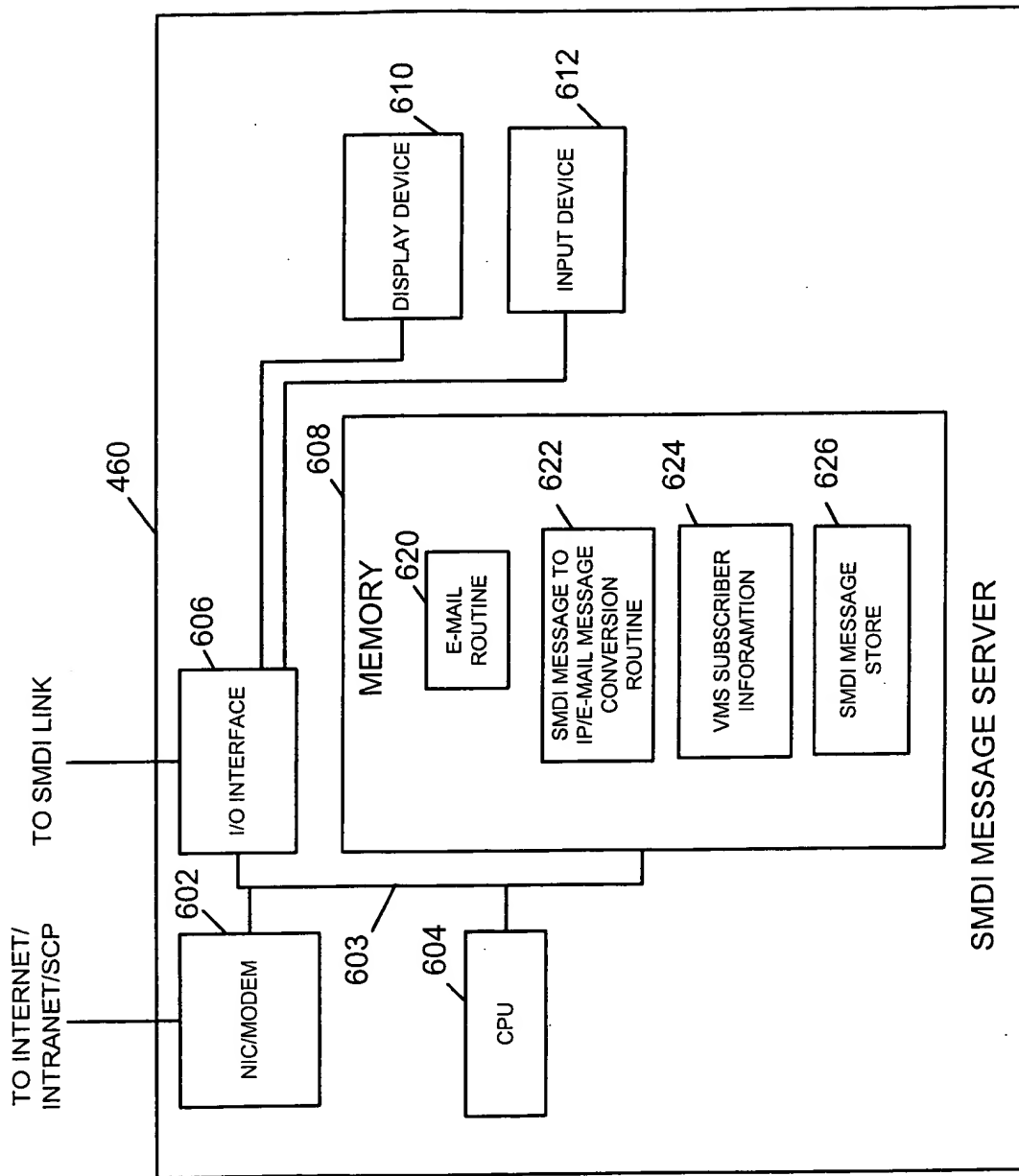


Fig. 6

626

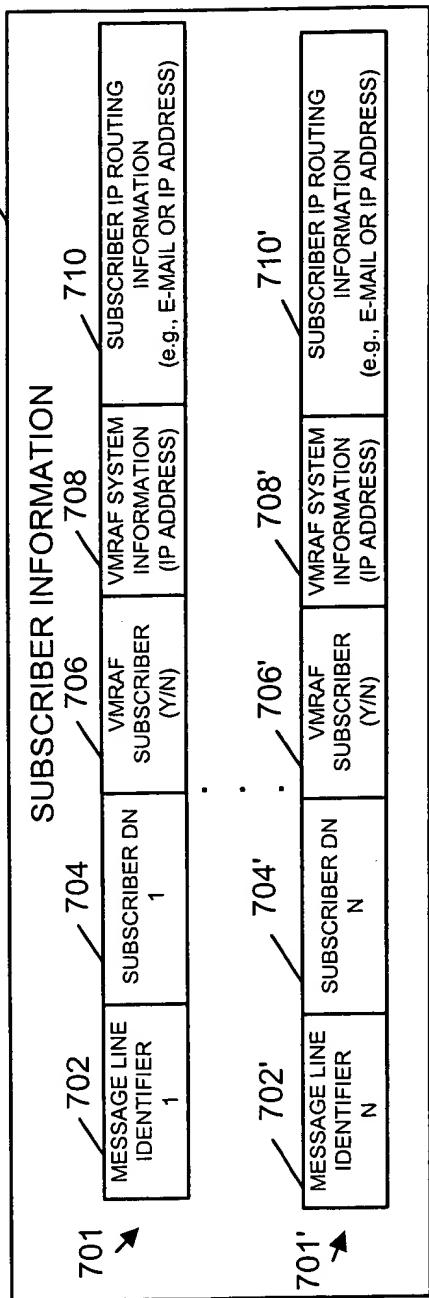


Fig. 7

1000

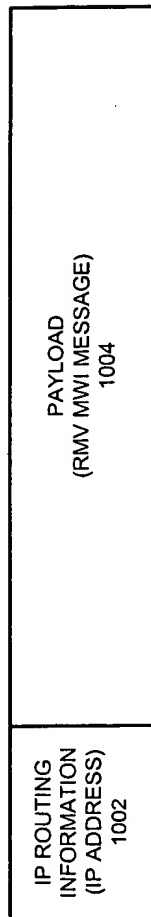


Fig. 10

1100

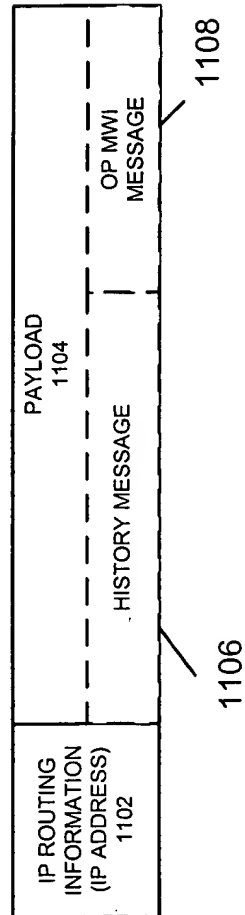
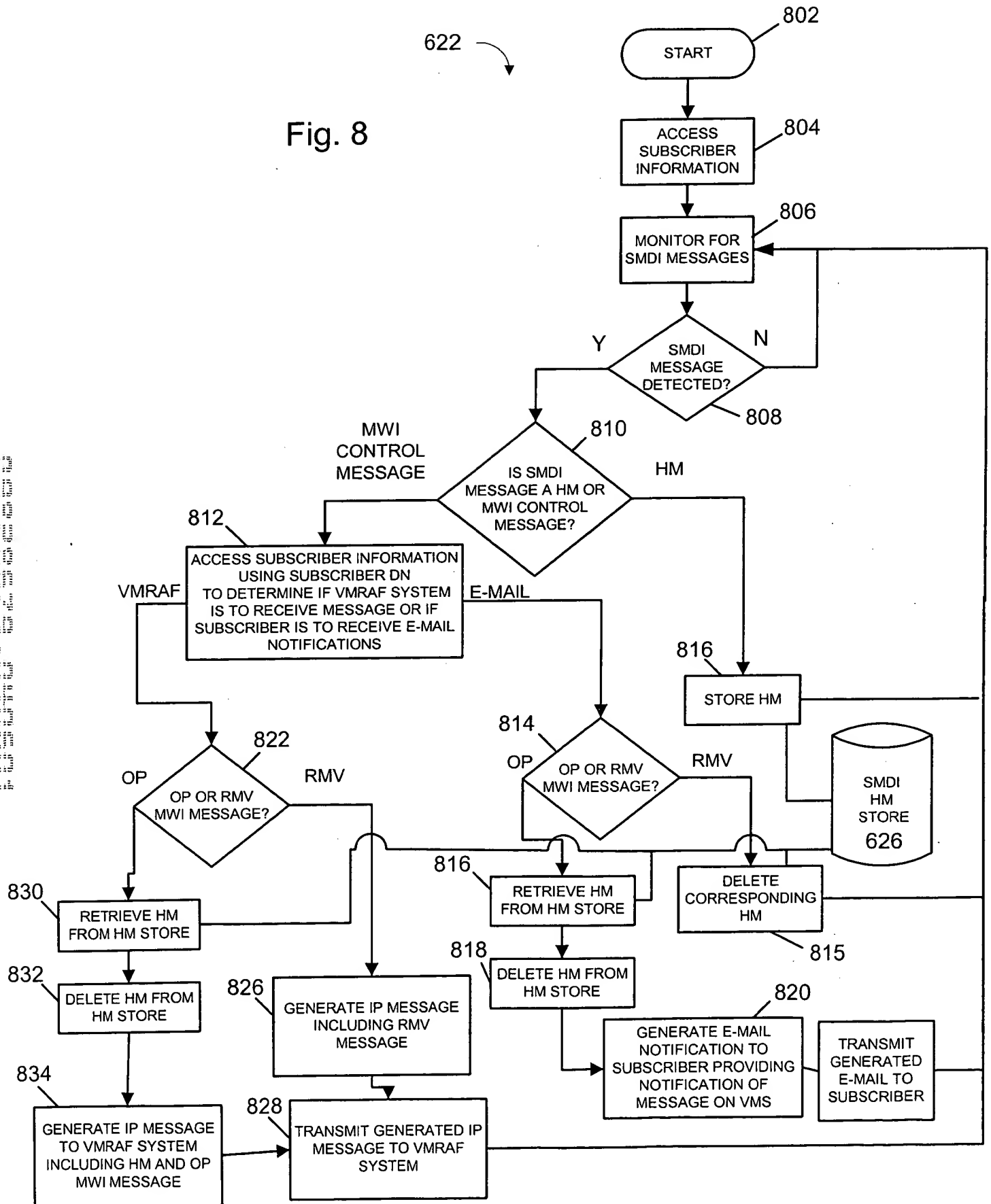


Fig. 11

Fig. 8



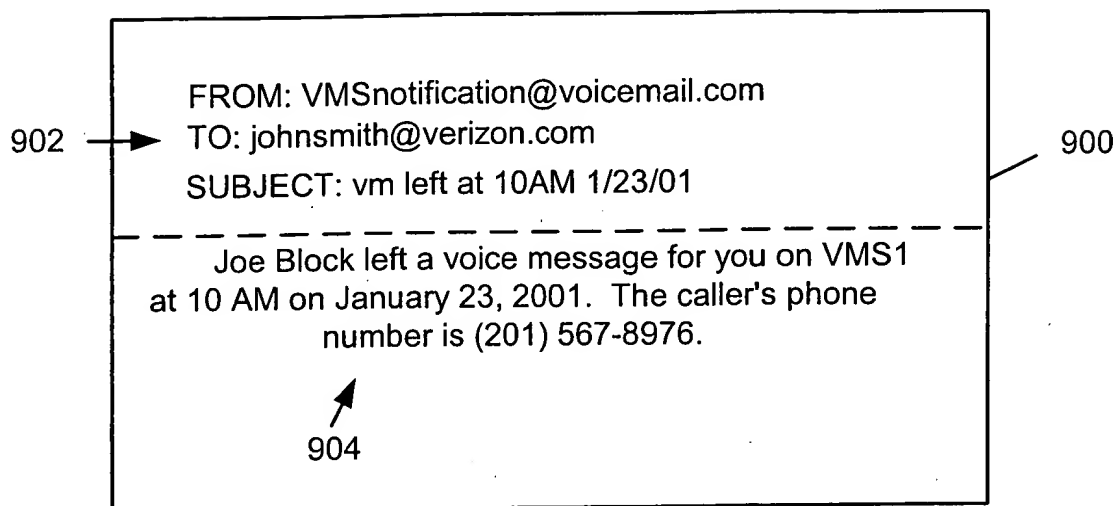


Fig. 9